

Technical Data Sheet

Schuladur A GF30 HR2 BLK



Polyester, Thermoplastic

Product Description

Schuladur A GF30 HR2 BLK is a 30% glass fiber reinforced PBT with a specific hydrolysis resistance.

Processing Method	Injection Molding
Appearance	Black
Additive	Hydrolysis Resistant
Filler/Reinforcement	Glass Fiber, 30%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (260 °C/5.0 kg)	11	g/10 min	ISO 1133
Density, (23 °C)	1,40	g/cm ³	ISO 1183
Mechanical			
Flexural Modulus, (23 °C)	7000	MPa	ISO 178
Flexural Stress, (23 °C)	155	MPa	ISO 178
Tensile Modulus, (23 °C)	8000	MPa	ISO 527-1, -2
Tensile Stress at Break	95	MPa	ISO 527-1, -2
Tensile Strain at Break, (23 °C)	4	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C)	23	kJ/m ²	ISO 179-1/1eA
(-30 °C)	13	kJ/m ²	ISO 179-1/1eA
Charpy Impact Strength - Unnotched			
(-30 °C)	76	kJ/m ²	ISO 179-1/1eU
(23 °C)	78	kJ/m ²	ISO 179-1/1eU
Thermal			
Heat Deflection Temperature A, (1.80 MPa, Unannealed)	200	°C	ISO 75A-1, -2
Electrical			
Volume Resistivity	>1e13	ohm*m	IEC 62631-3-1
Comparative Tracking Index (CTI)	575	V	IEC 60112
Surface Resistivity	>1e15	ohm	IEC 60093
Flammable			
Burning Rate, (2.00 mm)	45	mm/min	FMVSS 302
UL Information			
Flammability Classification			
(1.5 mm)	HB		IEC 60695-11-10, -20
(3.0 mm)	HB		IEC 60695-11-10, -20
Injection Parameters			
Drying Time	2-4	hr	
Drying Temperature	120	°C	
Processing (Melt) Temp	250-260	°C	
Mold Temperature	70-90	°C	